SEQUENCE LISTING

<110> Alnemri, Emad S.

<120> AN IAP BINDING PEPTIDE OR POLYPEPTIDE
      AND METHODS OF USING THE SAME

<130> 480140.465

<140> US
<141> 2001-08-24

<160> 18

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 1358
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (20)...(739)

<400> 1
ggcgtccgcg cgctgcaca atg gcg gct ctg aag agt tgg ctg tcg cgc agc   52
                    Met Ala Ala Leu Lys Ser Trp Leu Ser Arg Ser
                     1   5   10

gta act tca ttc ttc agg tac aga cag tgt ttg tgt gtt cct gtt gtg   100
Val Thr Ser Phe Phe Arg Tyr Arg Gln Cys Leu Cys Val Pro Val Val
             15   20   25

gct aac ttt aag aag cgg tgt ttc tca gaa ttg ata aga cca tgg cac   148
Ala Asn Phe Lys Lys Arg Cys Phe Ser Glu Leu Ile Arg Pro Trp His
         30   35   40

aaa act gtg acg att ggc ttt gga gta acc ctg tgt gcg gtt cct att   196
Lys Thr Val Thr Ile Gly Phe Gly Val Thr Leu Cys Ala Val Pro Ile
     45   50   55

gca cag aaa tca gag cct cat tcc ctt agt agt gaa gca ttg atg agg   244
Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu Ala Leu Met Arg
    60   65   70   75

aga gca gtg tct ttg gta aca gat agc acc tct acc ttt ctc tct cag   292
Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr Phe Leu Ser Gln
                 80   85   90

acc aca tat gcg ttg att gaa gct att act gaa tat act aag gct gtt   340
Thr Thr Tyr Ala Leu Ile Glu Ala Ile Thr Glu Tyr Thr Lys Ala Val

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                 95                    100                   105

tat acc tta act tct ctt tac cga caa tat aca agt tta ctt ggg aaa   388
Tyr Thr Leu Thr Ser Leu Tyr Arg Gln Tyr Thr Ser Leu Leu Gly Lys
        110                 115                 120

atg aat tca gag gag gaa gat gaa gtg tgg cag gtg atc ata gga gcc   436
Met Asn Ser Glu Glu Glu Asp Glu Val Trp Gln Val Ile Ile Gly Ala
        125                 130                 135

aga gct gag atg act tca aaa cac caa gag tac ttg aag ctg gaa acc   484
Arg Ala Glu Met Thr Ser Lys His Gln Glu Tyr Leu Lys Leu Glu Thr
140                 145                 150                 155

act tgg atg act gca gtt ggt ctt tca gag atg gca gca gaa gct gca   532
Thr Trp Met Thr Ala Val Gly Leu Ser Glu Met Ala Ala Glu Ala Ala
                160                 165                 170

tat caa act ggc gca gat cag gcc tct ata acc gcc agg aat cac att   580
Tyr Gln Thr Gly Ala Asp Gln Ala Ser Ile Thr Ala Arg Asn His Ile
                175                 180                 185

cag ctg gtg aaa ctg cag gtg gaa gag gtg cac cag ctc tcc cgg aaa   628
Gln Leu Val Lys Leu Gln Val Glu Glu Val His Gln Leu Ser Arg Lys
                190                 195                 200

gca gaa acc aag ctg gca gaa gca cag ata gaa gag ctc cgt cag aaa   676
Ala Glu Thr Lys Leu Ala Glu Ala Gln Ile Glu Glu Leu Arg Gln Lys
        205                 210                 215

aca cag gag gaa ggg gag gag cgg gct gag tcg gag cag gag gcc tac   724
Thr Gln Glu Glu Gly Glu Glu Arg Ala Glu Ser Glu Gln Glu Ala Tyr
220                 225                 230                 235

ctg cgt gag gat tga gggcctgagc acactgccct gtctccccac tcagtgggga   779
Leu Arg Glu Asp  *
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aagcaggggc agatgccacc ctgcccaggg ttggcatgac tgtctgtgca ccgagaagag   839
gcggcaggtc ctgccctggc caatcaggcg agacgccttt gtgagctgtg agtgcctcct   899
gtggtctcag gcttgcgctg gacctggttc ttagcccttg ggcactgcac cctgtttaac   959
atttcacccc actctgtaca gctgctctta cccatttttt ttacctcaca cccaaagcat   1019
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tgtatttctg atgtgttctc tgatctgccc ccactgtcct gtgaggacag ctgaggccaa   1259
ggagtgaaaa acctattact actaagagaa ggggtgcaga gtgtttacct ggtgctctca   1319
acaggactta acatcaacag gacttaacac agaaaaaaa                          1358
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<210> 2
<211> 40
<212> PRT
<213> Homo sapiens
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<400> 2
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu
 1               5                   10                  15
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr
                20                  25                  30
Phe Leu Ser Gln Thr Thr Tyr Ala
         35                  40


<210> 3
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> VARIANT
<222> (4)...(4)
<223> Xaa = Arg, Gln or Gly

<400> 3
Gln Ala Cys Xaa Gly
 1               5


<210> 4
<211> 7
<212> PRT
<213> Homo sapiens

<400> 4
Met Lys Ser Asp Phe Tyr Phe
 1               5


<210> 5
<211> 5
<212> PRT
<213> Homo sapiens

<400> 5
Ala Val Pro Ile Ala
 1               5


<210> 6
<211> 7
<212> PRT
<213> Homo sapiens

<400> 6
Ala Val Pro Ile Ala Gln Lys
 1               5
```

```
<210> 7
<211> 30
<212> PRT
<213> Homo sapiens

<400> 7
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu
 1               5                  10                  15
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr
            20                  25                  30


<210> 8
<211> 39
<212> PRT
<213> Homo sapiens

<400> 8
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu
 1               5                  10                  15
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr
            20                  25                  30
Phe Leu Ser Gln Thr Thr Tyr
        35


<210> 9
<211> 9
<212> PRT
<213> Homo sapiens

<400> 9
Met Lys Ser Asp Phe Tyr Phe Gln Lys
 1               5


<210> 10
<211> 8
<212> PRT
<213> Homo sapiens

<400> 10
Thr Asp Ser Thr Ser Thr Phe Leu
 1               5


<210> 11
<211> 35
<212> PRT
<213> Homo sapiens

<400> 11
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu
 1               5                  10                  15
```

```
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr
            20                  25                  30
Phe Leu Ser
        35
```

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<210> 12
<211> 9
<212> PRT
<213> Homo sapiens

<400> 12
Ile Glu Thr Asp Ala Val Pro Ile Ala
1               5
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<210> 13
<211> 4
<212> PRT
<213> Homo sapiens

<400> 13
Ala Val Pro Ile
1
```

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<210> 14
<211> 4
<212> PRT
<213> Homo sapiens

<400> 14
Ala Thr Pro Phe
1
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<210> 15
<211> 4
<212> PRT
<213> Drosophila sp.

<400> 15
Ala Val Ala Phe
1
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<210> 16
<211> 4
<212> PRT
<213> Drosophila sp.

<400> 16
Ala Val Pro Phe
1
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<210> 17
<211> 4
<212> PRT
<213> Mus musculus

<400> 17
Ala Val Pro Tyr
 1


<210> 18
<211> 4
<212> PRT
<213> Xenopus sp.

<400> 18
Ala Thr Pro Val
 1
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